

Form PTO-1449 (REV 2-88) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>	ATTY. DOCKET NO. 960296.97354	SERIAL NO. 09/633,507
	APPLICANT John Zahorjan	
	FILING DATE August 7, 2000	GROUP Technology Center 2100

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

18	1	Skyscraper Broadcasting: A New Broadcasting Scheme For Metropolitan Video-on-Demand Systems, Kien A. Hua et al., SIGCOMM '97 Cannes, France.
18	2	A Low Bandwidth Broadcasting Protocol for Video on Demand, Jehan-Francois Paris et al., Int'l Conference on Computer Communication and Networks (ICCCN), Oct. 1998.
18	3	Efficient Broadcasting Protocols for Video on Demand, Jehan-Francois Paris et al., Proc. Mascots '98, Montreal, July 1998.
18	4	Efficient Schemes for Broadcasting Popular Videos, Lixin Gao, et al.
18	5	Metropolitan area video-on-demand service using pyramid broadcasting, S. Viswanathan et al., Multimedia Systems (1996) 4: 197-208.

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>8/6/04</i>
-----------------------------	-------------------------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

MSWORD/MKE/4652610

Form PTO-1449 (REV 2-88) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>	ATTY. DOCKET NO. 960296.97354	SERIAL NO. 09/633,507
	APPLICANT John Zahorjan	FILING DATE August 7, 2000

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

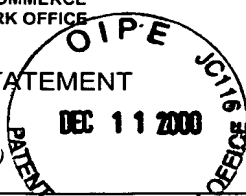
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

US	6		A Permutation-Based Pyramid Broadcasting Scheme for Video-on-Demand Systems, Charu C. Aggarwal et al.,
US	7		Design and Analysis of Permutation-Based Pyramid Broadcasting, Charu C. Aggarwal et al., U of S Computer Science, RC 20620, 11/8/96.
US	8		Tailored transmissions for efficient Near-Video-On-Demand service*, Yitzhak Birk et al.
US	9		Reducing I/O Demand in Video-On-Demand Storage Servers, Leana Golubchik et al., SIGMETRICS '95 Ottawa, Ontario, Canada.
U	10		On Optimal Piggyback Merging Policies for Video-On-Demand Systems, Charu Aggarwal et al., SIGMETRICS '96, 5/96 PA.

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>8/6/01</i>
-----------------------------	-------------------------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (REV 2-88) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>		ATTY. DOCKET NO. 960296.97354	SERIAL NO. 09/633,507
		APPLICANT John Zahorjan	
		FILING DATE August 7, 2000	GROUP Technology Center 2100

APR 19 2001

U.S. PATENT DOCUMENTS

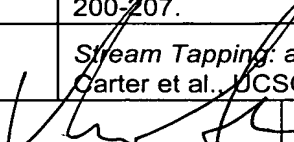
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

RECEIVED
FEB 01 2001
Technology Center 2600

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

11		<i>Adaptive Piggybacking Schemes for Video-on-Demand Systems</i> , Charu C. Aggarwal et al., RC 20635 (11/19/96) IBM Research Division.
12		Merging video streams in a multimedia storage server: complexity and heuristics, Siu-Wah Lau et al., Multimedia Systems (1998) 6:29-42.
13		<i>Patching: A Multicast Technique for True Video-on-Demand Services</i> , Kien A. Hua et al., ACM Multimedia 98 – Electronic Proceedings.
14		<i>Improving Video-on-Demand Server Efficiency Through Stream Tapping</i> , Steven W. Carter, et al., Proc. Int'l Conf. On Computer Communication and Networks (ICCCN), Las Vegas, Sept. 1997, pp. 200-207.
15		<i>Stream Tapping: a System for Improving Efficiency on a Video-on-Demand Server</i> , Steven w. Carter et al., UCSC-CRL-97-11, November 2, 1997.
EXAMINER  DATE CONSIDERED 8/6/04		

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (REV 2-88)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 960296.97354	SERIAL NO. 09/633,507
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT John Zahorjan	RECEIVED APR 19 2001 Technology Center 2100
		FILING DATE August 7, 2000	

U.S. PATENT DOCUMENTS


*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

8	16	Supplying Instantaneous Video-on-Demand Services Using Controlled Multicast, Lixin Gao et al.,
3	17	Optimal Patching Schemes for Efficient Multimedia Streaming*, Subhabrata Sen et al.,
18	18	Dynamic batching policies for an on-demand video server, Asit Dan et al., Multimedia Systems (1996) 4:112-121.
18	19	On Optimal Batching Policies for Video-on-Demand Storage Servers, Charu C. Aggarwal et al., IEEE Multimedia Computing & Systems Conf., Hiroshima, Japan, June 1996.
18	20	Group-Guaranteed Channel Capacity in Multimedia Storage Servers, Athanassios K. Tsiolis et al., SIGMETRICS 1997 Conference.

EXAMINER 	DATE CONSIDERED <u>8/6/01</u>
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	